

Amend page 1, paragraph 1 to read as follows:

TITLE OF THE INVENTION

Method for Changing Linear Load On A Reel-Up

FIELD OF THE INVENTION

The present invention relates to a method for changing the linear load on a reel-up of a paper web. The reel-up primarily comprises an initial reeling device, a reeling shaft, a reeling cylinder and a loading device.

BACKGROUND OF THE INVENTION

The concept of linear load refers to the force required in the reeling, which loads the paper reel formed on the reeling shaft. Said force required in the reeling is applied to the reel formed on the reeling shaft primarily via the reeling cylinder in such a way that the necessary force, linear load, is generated via the nip between the outer perimeter of said reeling cylinder and the outer perimeter of the reel that is being formed, when the loading of said nip is at least primarily generated by means of force devices acting on the ends of the reeling shaft. In the initial reeling device the formation of the bottom portion of the reel on the reeling shaft takes place, whereafter the reeling shaft is transferred to the loading device to be reeled to form a full paper reel.

Amend Page 3, paragraph 2, to read as follows.

SUMMARY OF THE INVENTION

By means of the method according to the invention, it is possible to avoid additional loading exerted on the reeling shaft at that stage when the reeling shaft is transferred from the initial reeling device to the loading of that loading device by means of which most of the reel is formed.

Amend page 3, paragraph 4, to read as follows:

BRIEF DESCRIPTION OF THE DRAWINGS

In the following, the method according to the invention will be described by means of an example with reference to the appended drawings, in which:

Amend page 4, first full paragraph to read as follows:

DETAILED DESCRIPTION OF THE INVENTION

The method according to the invention is implemented by means of a reel-up according to Fig. 1, in which locking jaws 3 of the initial reeling device 9 correspond to the primary forks of the aforementioned patent FI-71107 and secondary jaws 8 journaled pivotable in the vertical plane in reeling carriages 6 correspond to the secondary forks of the patent, the jaw on the side of the reeling cylinder 4 being a locking jaw and the jaw on the other side of the end of the reeling shaft being a guide jaw. The reeling carriages 6 move along guide rails by means of linear bearings and hydraulic cylinders 11 which produce the loading of the reel, and of which the term "loading actuator" will be used hereinbelow. The loading device by means of which the reel is loaded against the reeling cylinder 4, is composed of hydraulic cylinders 11 and a mechanism by means of which the hydraulic cylinders are in a power transmitting connection with the ends of the reeling shaft, more precisely with the bearing housings of the reeling shaft. The mechanism, by means of which the force of the hydraulic cylinders is transmitted to the ends of the reeling shaft, is in this case composed of the reeling carriages 6 and the guide jaws 8. For the purpose of measuring the diameter of the reel, the reeling carriages 6 are provided with devices for measuring the position, which are placed on both sides of the machine. In the reel-up, the reel is supported in a known manner by the ends of the reeling shaft by means of reeling rails 5 or corresponding supporting elements.